(f) There is no secrecy regarding cost analysis. The cost details of all the nuclear power stations are submitted to the Central Electricity Authority (CEA) for fixation of the tariff like any other central sector power station.

Nuclear Energy as alternate energy source

2056. SHRI VEDPRAKASH P. GOYAL: Will the PRIME MINSITER be pleased to state:

(a) when was the first Nuclear Power Plant installed in our country;

(b) what were the projections and what has been the performance;

(c) whether Government agree that with depleting resources at fossil fuels, the nuclear energy provides the right solution;

(d) if so, why the progress has been very slow in this regard; and

(e) what proposals exists with Government in this regard, if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF EXTERNAL AFFAIRS (SHRIMATI VASUNDHARA RAJE): (a) In 1969 at Tarapur in Maharashtra.

(b) A three stage developmental strategy was adopted for the Nuclear Power Production. In this strategy the first stage is that of Pressurised Heavy Water Reactors and the second and third stages are those of plutonium based reactors and thorium based reactors respectively. The present capacity of power generation in the country through Nuclear energy is 1840 MWe.

(c) Yes, Sir.

(d) The progress has been slow due to resource constraints during the 1990s.

(e) The following is the projection of the programme for nuclear power generation during the Ninth Five Year Plan and beyond the Ninth Five Year Plan, subject to available financial resources.

	Details of reactors/units	Total Capacity (MWe)
I.	*Upto Ninth Five Year Plan*	
(1)	Operating reactors 2 BWRs of 160 MWe each & 8 PHWRs (1 x 100, 1 x 200, 2 x 170, 4 x 220 MWe)	1840
(2)	Reactors under construction (4 PHWRs of 220 MWe each)	880
(3)	Reactors sanctioned and work commenced (2 PHWRs of 500 MWe each)	1000
(4)	Reactors awaiting sanction (2 PHWRs of 220 MWe each, 2 VVERs of 1000 MWe each and 1 PFBR of 500 MWe)	2940
		6660
II.	*Beyond the Ninth Five Year Plan (im a preliminary stage, to be firmed up based on resources*	
(1)	Reactors for which advanced procurement action is to be taken	1440
(2)	Reactors in the planning stage	
	(i) 10 PHWRs of 500 MWe each	5000
	(ii) 4 FBRs of 500 MWe each	2000
	(iii) 5 LWRs of 1000 MWe each	5000
	TOTAL	13440
	GRAND TOTAL	20100